Analysis		First Extraction (Preliminary results)				
Sample ID		**Field Blank 1**	**Field Blank 3**	**S#001**	**S#002**	**S#003**
Sample Descriptor	Target LOQ[1]	Water Blank	Water Blank	Water sample	Water sample	Water sample
	ppb	ppb	ppb	ppb	ppb	ppb
Abamectin	3	-	-	-	-	-
Acetamiprid		-	-	-	-	-
Azoxystrobin	1200	-	-	360	250	380
Bifenthrin		-	-	-	2	-
Brassinazole		-	-	-	-	-
Captan	830	N/A	N/A	N/A	N/A	N/A
Carbendazim		-	-	-	-	-
Carboxin		-	-	-	BQL	-
Chlorantraniliprole	10100	-	-	9100*	5500*	12000*
Chlorpyrifos	1.8	-	-	-	-	-
Chlorpyrifos-methyl		-	-	-	-	-
Clothianidin	630	-	-	180000*	98000*	210000*
Cyantraniliprole	60	-	-	-	-	-
Cyfluthrin		-	-	-	-	-
Cyhalothrin lamda		-	-	-	-	-
Cypermethrin		-	-	-	-	-
Cyproconazole		-	-	-	-	1
Deltamethrin1,2		-	-	-	-	-
Desthioproconazole		-	-	12	1	-
Difenconazole	60	-	-	-	-	-
Dimoxystrobin		-	-	-	-	-
Dinotefuran		-	-	-	-	1
Epoxiconazole (BAS 480F)		-	-	-	-	-
Ethaboxam	350	-	-	300	160	260
Fluconazole		-	-	-	-	-
Fludioxonil	200	-	-	430	110	370
Fluoxastrobin	96	-	-	1	2	-
Glufosinate		-	-	-	-	-
Glyphosate		-	-	-	-	-
Imidacloprid	360	-	-	1	1	1

Ipconazole	96	-	-	2140*	660*	2300*
Isavuconazole		-	-	-	-	-
Metalaxyl-M	474	-	-	3700*	3500*	4000 *
Metconazole	300	-	-	-	-	-
Nitenpyram		-	-	-	-	-
Orysastrobin		-	-	-	-	-
Penflufen	2400	-	-	-	-	-
Permethrin cis/trans		-	-	-	-	-
Picoxystrobn	290	-	-	-	-	-
Posaconazole		-	-	-	-	-
Propiconazole	600	-	-	-	-	-
Prothioconazole	60	N/A	N/A	N/A	N/A	N/A
Pyraclostrobin		-	-	-	-	-
Ravuconazole		-	-	-	-	-
Sedaxane	690	-	-	9	4	13
Tebuconazole	190	-	-	470	190	390
Tetraconazole		-	-	-	-	-
Thiabendazole	210	-	-	8100*	3300*	13000*
Thiacloprid		-	-	-	-	-
Thiamethoxam	77	-	-	35000*	30000*	30000*
Thiophanate-methyl1,2		-	-	-	-	4
Tolclofos-methyl		-	-	-	-	-
Trifloxystrobin	240	-	-	BQL	BQL	BQL
Uniconazole-p		-	-	-	-	-
Voriconazole		-	-	-	-	-
Itraconazole		N/A	N/A	N/A	N/A	N/A
Mancozeb		N/A	N/A	N/A	N/A	N/A
Prothioconazole sulfonic acid		N/A	N/A	N/A	N/A	N/A
Thiram		N/A	N/A	N/A	N/A	N/A

NOTES:

Quantitative Analysis
Qualitative Analysis
Not Analyzed by this method

Note:

Concentrations reported for analytes with high % spike recovery (>120%) should be considered as maximum values. In contrast, those with low recoveries (<70%) should be considered as minimum values.
Calibration Data reflects second xtraction only

"Target LOQs" indicate requested/targeted LOQs. The stimated method LOQ (based on the lowest calibrationcurve level) is 1.5 ppb for all analytes, xcept for Deltamethrin, which is 7.5 ppb.

[1] = Qualitative analysis was requested for analytes listed without "Target LOQs". However, since a calibration curve was stablished for all the analytes, values are provided for all detected compounds.

E = Calibration Curve or Calibration Check parameters outside of QC tolerances. Sample Data provided for stimation only. Use Second xtraction data for more accurate results

* Responses were outside of instrument calibration ranges. Values stimated from dilutions.

BQL Below quantitation limit. Presence of analyte detected, however instrument response below calibration range.

- Not detected

N/A: Not analyzed
Captan was not analyzed in the first xtraction round due to poor instrument response. Issues were corrected for the second analysis
Prothioconazole was not analyzed in the first xtraction round due to poor instrument response. Issues were corrected for the second analysis

Mancozeb is a polymeric compound and not compatible with our instruments.
Itraconazole is only soluble in DCM and is not compatible with LC/MS anlaysis. Due to its high MW and polarity, analysis on GC/MS is not successful.

Prothioconazole sulfonic acid degrades quickly during analysis. No reliable response can be acquired.
Thriam degrades quickly in both water and soil matricies, and during analysis. No reliable response can be acquired.

							Second Extraction (Final r		
S#004	**S#005**	**QA Notes**	**FB1S**	**S001S**	**Field Blank 1**	**Field Blank 3**	**S#001**	**S#002**	**S#003**
Water sample	Water sample		Field Blank 1 Spike	Sample Matrix S#001 Spike	Water Blank	Water Blank	Water sample	Water sample	Water sample
ppb	ppb		%	%	ppb	ppb	ppb	ppb	ppb
-	-		3%	108%	-	-	-	-	-
-	-		120%	140%	-	-	-	-	-
190	45	E	68%	-	3		260	180	260
-	-		66%	90%	-	-	-	-	-
-	-		70%	68%	-	-	-	-	-
N/A	N/A		32%	42%			-	-	-
BQL	-		24%	24%	-	-	-	-	-
BQL	-		79%	86%	-	-	-	-	-
3200*	530*	E	14%	-	92	3	4500*	1300*	4600*
-	-		30%	94%			-	-	-
-	-		34%	109%	-	-	-	-	-
10000*	8100*	E	121%	-	290	3	170000*	110000*	230000*
-	-		9%	48%	-	-	-	-	-
-	-		20%	-	-	-	-	-	-
-	-		52%	78%	-	-	29	7	25
-	-		21%	-	-	-	-	-	-
-	-		92%	75%	-	-	-	-	-
-	-		21%	-	-	-	-	-	-
-	-		58%	75%	-	-	3	-	-
-	-		46%	74%	-	-	-	-	-
-	-		88%	93%	-	-	-	-	-
-	-		92%	86%	-	-	-	-	-
-	-		36%	64%	-	-	-	-	-
58	17	E	54%	-	2	-	640	330	850
-	-		77%	51%	-	-	-	-	-
9	7	E	21%	-	2	-	250	38	220
-	-		144%	135%	-	-	-	-	-
-	-						-	-	-
-	-						-	-	-
1	BQL		94%	75%	-	-	2	3	4

77	64	E	38%	-	9	-	2200*	820	2300*
-	-		11%	42%	-	-	-	-	-
3700*	270*	E	91%	-	2	-	3200*	3500*	2200*
-	-		76%	79%	-	-	-	-	-
-	-		57%	58%	-	-	-	-	-
-	-		96%	87%	-	-	-	-	-
-	-		42%	135%	-	-	-	-	-
-	-		35%	127%	-	-	-	-	-
-	-		147%	140%	-	-	-	-	-
-	-		-	32%	-	-	-	-	-
-	-		44%	119%	-	-	-	-	-
N/A	N/A		9%	62%	-	-	2	-	5
-	-		3%	102%	-	-	-	-	-
-	-		11%	42%	-	-	-	-	-
-	-		21%	67%	-	-	2	-	3
180	180	E	92%	-	3	-	480	210	370
-	-		93%	77%	-	-	-	-	-
490*	300*	E	6%	-	27	-	3300*	660*	4100*
-	-		78%	119%	-	-	-	-	-
19000*	1300*	E	95%	-	23	-	34000*	35000*	32000*
3	-		47%	112%	-	-	-	-	-
-	-		34%	83%	-	-	-	-	-
BQL	BQL		94%	97%	-	-	2	-	-
-	-		77%	69%	-	-	-	-	-
-	-		94%	52%	-	-	-	-	-
N/A	N/A		N/A	N/A			N/A	N/A	N/A
N/A	N/A		N/A	N/A			N/A	N/A	N/A
N/A	N/A		N/A	N/A			N/A	N/A	N/A
N/A	N/A		N/A	N/A			N/A	N/A	N/A

esults)

S#004	S#005	QA Notes	Calibration Data		
Water sample	Water sample		Calibration Linearity (r^2)	Calibration Range	Corresponds to 1.5 ng/g - 300 ng/g in matrix for all analytes
ppb	ppb				
-	-		0.9996	5 ng/mL - 1000 ng/mL	
-	-		0.9995	5 ng/mL - 1000 ng/mL	
130	20		0.9857	5 ng/mL - 1000 ng/mL	
-	-		0.9990	5 ng/mL - 1000 ng/mL	
-	-		0.9988	5 ng/mL - 1000 ng/mL	
-	-		0.9998	5 ng/mL - 1000 ng/mL	
-	-		0.9787	5 ng/mL - 1000 ng/mL	
-	-		0.9996	5 ng/mL - 1000 ng/mL	
470	64		0.9846	5 ng/mL - 1000 ng/mL	
-	-		0.9987	5 ng/mL - 1000 ng/mL	
-	-		0.9959	5 ng/mL - 1000 ng/mL	
11000*	7800*		0.9990	5 ng/mL - 1000 ng/mL	
-	-		0.9933	5 ng/mL - 1000 ng/mL	
-	-		0.9848	5 ng/mL - 1000 ng/mL	
-	-		0.9898	5 ng/mL - 1000 ng/mL	
-	-		0.9784	5 ng/mL - 1000 ng/mL	
-	-		0.9974	5 ng/mL - 1000 ng/mL	
-	-		0.9362	5 ng/mL - 1000 ng/mL	
-	-		0.9999	5 ng/mL - 1000 ng/mL	
-	-		0.9999	5 ng/mL - 1000 ng/mL	
-	-		0.9992	5 ng/mL - 1000 ng/mL	
-	-		0.9997	5 ng/mL - 1000 ng/mL	
-	-		0.9990	5 ng/mL - 1000 ng/mL	
31	2		0.9961	5 ng/mL - 1000 ng/mL	
-	-		0.9990	5 ng/mL - 1000 ng/mL	
4	3		0.9809	5 ng/mL - 1000 ng/mL	
-	-		0.9901	5 ng/mL - 1000 ng/mL	
-	-				
-	-				
-	-		0.9999	5 ng/mL - 1000 ng/mL	

29	27		0.9893	5 ng/mL - 1000 ng/mL
-	-		0.9963	5 ng/mL - 1000 ng/mL
4000*	300		0.9955	5 ng/mL - 1000 ng/mL
-	-		0.9995	5 ng/mL - 1000 ng/mL
-	-		0.9996	5 ng/mL - 1000 ng/mL
-	-		0.9998	5 ng/mL - 1000 ng/mL
-	-		0.9965	5 ng/mL - 1000 ng/mL
-	-		0.9985	5 ng/mL - 1000 ng/mL
-	-		0.9985	5 ng/mL - 1000 ng/mL
-	-		0.9991	5 ng/mL - 1000 ng/mL
-	-		0.9972	5 ng/mL - 1000 ng/mL
8	-		0.9034	5 ng/mL - 1000 ng/mL
-	-		0.9988	5 ng/mL - 1000 ng/mL
-	-		0.9972	5 ng/mL - 1000 ng/mL
-	-		0.9997	5 ng/mL - 1000 ng/mL
190	130		0.9944	5 ng/mL - 1000 ng/mL
-	-		0.9999	5 ng/mL - 1000 ng/mL
60	16		0.9961	5 ng/mL - 1000 ng/mL
-	-		0.9991	5 ng/mL - 1000 ng/mL
16000*	1500*		0.9991	5 ng/mL - 1000 ng/mL
-	-		0.8880	5 ng/mL - 1000 ng/mL
-	-		0.9992	5 ng/mL - 1000 ng/mL
-	-		0.9998	5 ng/mL - 1000 ng/mL
-	-		0.9997	5 ng/mL - 1000 ng/mL
-	-		0.9999	5 ng/mL - 1000 ng/mL
N/A	N/A			
N/A	N/A			
N/A	N/A			
N/A	N/A			

Analysis		First Extraction (Preliminary results)								
Sample ID		**Field Blank 2**	**S#01**	**S#02**	**S#03**	**S#04**	**S#05**		**FB2S**	**S2S**
Sample Descriptor	Target LOQ[1]	Soil	Sludge sample	Sludge sample	Sludge sample	Sludge sample	Sludge sample	**QA Notes**	Field Blank 2 Spike	Sample matrix S#02 Spike
	ppb	ppb	ppb	ppb	ppb	ppb	ppb		%	%
Abamectin	3	-	-	-	32	150	7		4%	175%
Acetamiprid		-	-	-	-	-	-		101%	-
Azoxystrobin	1200	-	4800	4700	4000	7800	3300	E	65%	-
Bifenthrin		-	-	-	-	-	-		26%	96%
Brassinazole		-	-	-	-	-	-		51%	-
Captan	830	N/A	N/A	N/A	N/A	N/A	N/A		29%	-
Carbendazim		-	-	BQL	2	6	1		18%	129%
Carboxin		-	-	-	-	-	-		50%	-
Chlorantraniliprole	10100	-	80000*	110000*	56000*	56000*	53000*	E	23%	-
Chlorpyrifos	1.8	-	BQL	BQL	BQL	9	BQL		11%	48%
Chlorpyrifos-methyl		-				10	34		11%	55%
Clothianidin	630	-	330000*	270000*	170000*	56000*	59000*	E	115%	-
Cyantraniliprole	60	-	4	7	2	1	3		19%	-
Cyfluthrin		-	-	-	-	-	-		11%	59%
Cyhalothrin lamda		-	-	-	-	-	-		25%	29%
Cypermethrin		-	-	-	-	-	-		19%	60%
Cyproconazole		-	-	-	-	-	-		81%	57%
Deltamethrin		-	-	-	-	-	-		10%	172%
Desthioproconazole		-	-	-	-	-	-		58%	39%
Difenconazole	60	-	3	3	1	2	5		41%	-
Dimoxystrobin		-	-	-	-	-	-		76%	78%
Dinotefuran		-	-	-	-	-	-		71%	-
Epoxiconazole		-	-	-	-	-	-		38%	50%
Ethaboxam	350	-	6000*	7600*	3100*	2300*	2100*	E	47%	-
Fluconazole		-	1	1	BQL	-	1		64%	-
Fludioxonil	200	-	5300*	5500*	3700*	8600*	3900*	E	-	-
Fluoxastrobin	96	-	2	15	68	13	1		122%	116%
Glufosinate		-	-	-	-	-	-		N/A	N/A
Glyphosate		-	-	-	-	-	-		N/A	N/A
Imidacloprid	360	-	1	1	3	2	2		75%	85%
Ipconazole	96	-	16000*	25000*	12000*	47000*	15000*	E	38%	-
Isavuconazole		-	-	-	-	-	-		13%	37%
Metalaxyl-M	474	-	6700*	6100*	4200*	6200*	4900*	E	79%	-

Metconazole	300	-	-	-	-	-	-		57%	-
Nitenpyram		-	-	-	-	-	-		33%	-
Orysastrobin		-	-	-	-	-	-		87%	83%
Penflufen	2400	-	-	-	-	-	-		19%	65%
Permethrin cis/trans		-	-	-	-	-	-		13%	65%
Picoxystrobn	290	-	-	-	-	-	-		120%	109%
Posaconazole		-	-	-	-	-	-		-	-
Propiconazole	600	-	-	-	-	-	-		22%	56%
Prothioconazole	60	N/A	N/A	N/A	N/A	N/A	N/A		10%	-
Pyraclostrobin		-	-	-	-	-	-		5%	-
Ravuconazole		-	-	-	-	-	-		7%	-
Sedaxane	690	-	77	180	28	32	16		24%	-
Tebuconazole	190	-	18000*	3900*	11000*	103000*	5800*	E	47%	-
Tetraconazole		-	-	-	-	-	-		71%	-
Thiabendazole	210	-	45000*	40000*	22000*	59000*	32000*	E	-	-
Thiacloprid		-	-	-	-	-	-		82%	73%
Thiamethoxam	77	-	49000*	85000*	2100*	6500*	18000*	E	75%	-
Thiophanate-methyl		-	-	-	-	-	-		48%	-
Tolclofos-methyl		-	57	-	-	2	4		14%	38%
Trifloxystrobin	240	-	BQL	19	180	1400	34	E	75%	57%
Uniconazole-p		-	-	-	-	-	-		60%	-
Voriconazole		-	-	-	-	-	-		91%	31%
Itraconazole		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
Mancozeb		-	N/A	N/A	N/A	N/A	N/A		N/A	N/A
Prothioconazole sulfonic acid		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A
Thiram		N/A	N/A	N/A	N/A	N/A	N/A		N/A	N/A

NOTES:

Quantitative Analysis
Qualitative Analysis
Not Analyzed by this method

Notes:
Concentrations reported for analytes with high % spike recovery (>120%) should be considered as maximum values. In contrast, those with low recoveries (<70%) should be considered as minimum values.

"Target LOQs" indicate requested/targeted LOQs. The stimated method LOQ (based on the lowest calibrationcurve level) is 1.5 ppb for all analytes, xcept for Deltamethrin, which is 7.5 ppb.

[1] = Qualitative analysis was requested for analytes listed without "Target LOQs". However, since a calibration curve was stablished for all the

* Responses were outside of instrument calibration ranges. Values stimated from dilutions.

D = Instrument response of sample slightly above calibration curve. Was not observed in dilution runs. Value is reported as an stimate

E = Calibration Curve or Calibration Check parameters outside of QC tolerances. Sample Data provided for stimation only. Use Second xtraction data for more accurate results

- Not detected

N/A: Not analyzed

Captan was not analyzed in the first extraction round due to poor instrument response. Issues were corrected for the second analysis

Prothioconazole was not analyzed in the first extraction round due to poor instrument response. Issues were corrected for the second analysis

Mancozeb is a polymeric compound and not compatible with our instruments.

Itraconazole is only soluble in DCM and is not compatible with LC/MS anlaysis. Due to its high MW and polarity, analysis on GC/MS is not successful.

Prothioconazole sulfonic acid degrades quickly during analysis. No reliable response can be acquired.

Thriam degrades quickly in both water and soil matricies, and during analysis. No reliable response can be acquired.

Second Extraction (Final results)

Field Blank 2	S#01	S#02	S#03	S#04	S#05	QA Notes	Calibration Data	
Soil	Sludge sample	Sludge sample	Sludge sample	Sludge sample	Sludge sample		Calibration Linearity (r^2)	Calibration Range
ppb	ppb	ppb	ppb	ppb	ppb			
-	11	33	210	440	61	S#04 - D	0.9942	5 ng/mL - 1000 ng/mL
-	-	2	-	-	-		0.9982	5 ng/mL - 1000 ng/mL
-	5000*	4100*	4900*	5200*	6000*		0.9857	5 ng/mL - 1000 ng/mL
-	-	3	-	-	-		0.9933	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9746	5 ng/mL - 1000 ng/mL
-	3	4	10	12	7		0.9867	5 ng/mL - 1000 ng/mL
-	-	-	5	9	-		0.9961	5 ng/mL - 1000 ng/mL
-	-	-	-	3	-		0.9898	5 ng/mL - 1000 ng/mL
-	150000*	180000*	100000*	61000*	170000*		0.9846	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9990	5 ng/mL - 1000 ng/mL
-	-	-	2	3	-		0.9995	5 ng/mL - 1000 ng/mL
-	620000*	510000*	250000*	44000*	590000*		0.9973	5 ng/mL - 1000 ng/mL
-	9	14	4	3	8		0.9899	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9827	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9977	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9810	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9968	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9745	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9991	5 ng/mL - 1000 ng/mL
-	6	5	4	4	8		0.9865	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9991	5 ng/mL - 1000 ng/mL
-	-	2	-	-	-		0.9924	5 ng/mL - 1000 ng/mL
-	-	-	-	-	2		0.9979	5 ng/mL - 1000 ng/mL
-	6800*	7400*	4900*	2100*	4600*		0.9961	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9885	5 ng/mL - 1000 ng/mL
-	6600*	6100*	5200*	6000*	7600*		0.9809	5 ng/mL - 1000 ng/mL
-	-	7	29	10	-		0.9995	5 ng/mL - 1000 ng/mL
N/A	N/A	N/A	N/A	N/A	N/A		-	-
N/A	N/A	N/A	N/A	N/A	N/A		-	-
-	4	4	17	7	12		0.9849	5 ng/mL - 1000 ng/mL
-	20000*	26000*	20000*	14000*	33000*		0.9923	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9953	5 ng/mL - 1000 ng/mL
-	8800*	6900*	5600*	5200*	10000*		0.9907	5 ng/mL - 1000 ng/mL

-	2	3	-	-	2		0.9800	5 ng/mL - 1000 ng/mL
-	-	-	-	2	-		0.9833	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9996	5 ng/mL - 1000 ng/mL
-	-	-	2	4	-		0.9956	5 ng/mL - 1000 ng/mL
-	2	-	-	-	-		0.9947	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9995	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9942	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9973	5 ng/mL - 1000 ng/mL
-	-	90	120	160	140		0.9626	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9893	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9923	5 ng/mL - 1000 ng/mL
-	280	280	190	120	70		0.9834	5 ng/mL - 1000 ng/mL
-	21000*	5400*	18000*	29000*	8400*		0.9944	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9863	5 ng/mL - 1000 ng/mL
-	45000*	38000*	25000*	34000*	49000*		0.9961	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9993	5 ng/mL - 1000 ng/mL
-	77000*	32000*	34000*	7900*	41000*		0.9953	5 ng/mL - 1000 ng/mL
-	-	4	3	4	3		0.9445	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9998	5 ng/mL - 1000 ng/mL
-	2	11	94	140	14		0.9996	5 ng/mL - 1000 ng/mL
-	11	9	4	3	10		0.9821	5 ng/mL - 1000 ng/mL
-	-	-	-	-	-		0.9949	5 ng/mL - 1000 ng/mL
	N/A	N/A	N/A	N/A	N/A		N/A	
	N/A	N/A	N/A	N/A	N/A		N/A	
	N/A	N/A	N/A	N/A	N/A		N/A	
	N/A	N/A	N/A	N/A	N/A		N/A	

Corresponds to 1.5 ng/g - 300 ng/g in matrix for all analytes

Analyte Recovery Results			Water (Spiked on FB1)		Soil (Sp
	Analyte	Notes	LOQ (ppb)	Spike Recovery	LOQ (ppb)
LC Analytes	Abamectin		10	73%	5
	Acetamiprid		1	86%	1
	Azoxystrobin	4	1	89%	5
	Bifenthrin		5	75%	-
	Brassinazole		1	88%	1
	Carbendazim		1	102%	1
	Carboxin		1	70%	-
	Chlorantraniliprole	3, 8	1	76%	-
	Chlorpyrifos-methyl		5	73%	1
	Clothianidin	3, 8	5	79%	-
	Cyantraniliprole		1	80%	1
	Cyproconazole		1	85%	1
	Deltamethrin	1	10	71%	-
	Desthioproconazole		1	94%	1
	Difenconazole		1	83%	10
	Dimoxystrobin		1	86%	5
	Dinotefuran		1	79%	5
	Epoxiconazole (BAS 480F)		1	89%	10
	Ethaboxam		1	83%	1
	Fluconazole		1	93%	1
	Fludioxonil	4	1	78%	5
	Fluoxastrobin		1	85%	1
	Glyphosate	5, 6	200	-	100
	Imidacloprid		1	86%	1
	Ipconazole	8	1	81%	-
	Isavuconazole		1	86%	1
	Metalaxyl-M	4	1	72%	5
	Metconazole		1	87%	10
	Nitenpyram		5	80%	10
	Orysastrobin		1	87%	1

	Penflufen		1	82%	1
	Permethrin		1	79%	-
	Picoxystrobn		1	85%	10
	Posiconazole		5	91%	-
	Pyraclostrobin		1	83%	1
	Ravuconazole		1	84%	1
	Sedaxane		1	87%	1
	Tebuconazole	8	1	88%	-
	Tetraconazole		1	84%	10
	Thiabendazole	3 ,8	1	89%	-
	Thiacloprid		1	88%	1
	Thiamethoxam	8	1	88%	-
	Tolclofos-methyl		1	83%	1
	Trifloxystrobin		1	78%	-
	Uniconazole-p		1	72%	1
	Voriconazole		1	84%	1
GC Analytes	Cyfluthrin	1, 7	-	389%	-
	Cypermethrin	1, 7	-	294%	-
	Chlorpyrifos	1, 2, 7	-	28%	-
	Cyhalothrin lamda	1, 7	-	156%	-

Notes:
1=CC Check outside acceptable range
2=%RSD above acceptable range
3=Analytes detected in matrix blank above calibration range
4=Analytes detected in matrix blank below calibration range
5=Glyphosate extracted using a separate method
6=Glyphosate water LOQ calculated in other project
7=No contamination in blank
8=Analytes detected in matrix blank (Soil).

ɔiked on FB2)	Linearity (r^2)		Calibration Range*	Matrix Blank Analyt
Spike Recovery	Water (Internal STD)	Soil (No Internal STD)		Soil Blank (FB2)
61%	0.9966	0.9972	6.25 ng/mL - 100 ng/mL	-
83%	0.9997	1.0000	6.25 ng/mL - 100 ng/mL	-
113%	0.9996	0.9999	6.25 ng/mL - 100 ng/mL	1
56%	0.9990	0.9996	6.25 ng/mL - 100 ng/mL	-
77%	0.9995	0.9999	6.25 ng/mL - 100 ng/mL	-
82%	0.9997	0.9998	6.25 ng/mL - 100 ng/mL	-
39%	0.9997	0.9995	6.25 ng/mL - 100 ng/mL	-
Above Calibration Range	0.9981	0.9991	6.25 ng/mL - 100 ng/mL	71
84%	0.9991	0.9998	6.25 ng/mL - 100 ng/mL	-
Above Calibration Range	0.9996	0.9985	6.25 ng/mL - 100 ng/mL	95
75%	0.9993	0.9999	6.25 ng/mL - 100 ng/mL	-
74%	0.9981	0.9997	6.25 ng/mL - 100 ng/mL	-
Below Calibration Range	0.9968	0.9947	6.25 ng/mL - 100 ng/mL	-
92%	0.9993	1.0000	6.25 ng/mL - 100 ng/mL	-
71%	0.9996	0.9983	6.25 ng/mL - 100 ng/mL	-
88%	0.9992	0.9997	6.25 ng/mL - 100 ng/mL	-
82%	0.9995	0.9999	6.25 ng/mL - 100 ng/mL	-
69%	0.9994	0.9977	6.25 ng/mL - 100 ng/mL	-
77%	0.9996	1.0000	6.25 ng/mL - 100 ng/mL	-
96%	0.9997	0.9998	6.25 ng/mL - 100 ng/mL	-
111%	0.9986	0.9974	6.25 ng/mL - 100 ng/mL	2
71%	0.9995	1.0000	6.25 ng/mL - 100 ng/mL	-
97%	-	0.9994	1.5 ng/mL - 100 ng/mL	-
107%	0.9995	0.9997	6.25 ng/mL - 100 ng/mL	-
2120%	0.9995	0.9946	6.25 ng/mL - 100 ng/mL	9
72%	0.9992	0.9998	6.25 ng/mL - 100 ng/mL	-
107%	0.9997	0.9999	6.25 ng/mL - 100 ng/mL	1
72%	0.9999	0.9981	6.25 ng/mL - 100 ng/mL	-
50%	0.9997	0.9998	6.25 ng/mL - 100 ng/mL	-
73%	0.9999	0.9999	6.25 ng/mL - 100 ng/mL	-

108%	0.9997	1.0000	6.25 ng/mL - 100 ng/mL	-
65%	0.9992	0.9997	6.25 ng/mL - 100 ng/mL	-
101%	0.9990	0.9985	6.25 ng/mL - 100 ng/mL	-
53%	0.9931	0.9939	6.25 ng/mL - 100 ng/mL	-
78%	0.9996	0.9999	6.25 ng/mL - 100 ng/mL	-
70%	0.9995	0.9990	6.25 ng/mL - 100 ng/mL	-
82%	0.9994	0.9999	6.25 ng/mL - 100 ng/mL	-
3273%	0.9992	0.9963	6.25 ng/mL - 100 ng/mL	15
70%	0.9984	0.9982	6.25 ng/mL - 100 ng/mL	-
5946%	0.9996	1.0000	6.25 ng/mL - 100 ng/mL	64
85%	0.9997	1.0000	6.25 ng/mL - 100 ng/mL	-
1972%	0.9994	1.0000	6.25 ng/mL - 100 ng/mL	16
100%	0.9999	0.9999	6.25 ng/mL - 100 ng/mL	-
67%	0.9997	0.9994	6.25 ng/mL - 100 ng/mL	-
79%	0.9974	0.9999	6.25 ng/mL - 100 ng/mL	-
71%	0.9988	1.0000	6.25 ng/mL - 100 ng/mL	-
333%	0.9990	0.9990	6.25 ng/mL - 100 ng/mL	-
267%	0.9983	0.9983	6.25 ng/mL - 100 ng/mL	-
74%	0.9996	0.9996	6.25 ng/mL - 100 ng/mL	-
143%	0.9985	0.9985	6.25 ng/mL - 100 ng/mL	-

*Corresponds to approx. 1.9 ng/g - 30 ng/g in matrix fc

*Glyphosate Calibration Range 18 ng/g - 1200 ng/g in r

*See Methods for details

e Level (ppb, ng/mL)
Water Blank (FB1)
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or all compounds
natrix

Discussion: The majority of analytes requested were validated using the methods outlined in a separate document. Validation was run using field blanks provided FB-1 (water) and FB-2 (soil). During validation it was found that soil FB-2 contained background presence of analytes. Those values are given above. Coincidentally, the same analytes were obsvered in very high amounts in the field samples provided. Validation may not have been possible in soil for some of these analytes due to contamination. In comparison to the water matrix recoveries, it can be assumed these analytes would present adequate soil recoveries

The following analytes were not analyzed due to extraction or instrumentation limitations: Mancozeb, Thiram, Prothioconazole, Prothioconazole Sulfonic Acid, Captan, glufosinate, itraconazole, thiophanate methyl

Captan was initially analyzed for when scanning the samples. When running the method validation on a new column 6 months later, Captan could not be resolved. Therefore, captan was not validated

on a new column 6 months later, Captan could not be resolved. Therefore, captan was not validated here.

Thiophanate-methyl produced poor linearity on both the sample runs and on method validation.